



Docket: 14021.03

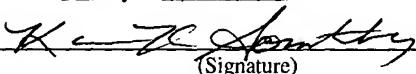
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:	Charles N. Serhan	
Application No.:	10/615,361	
Filing Date:	July 8, 2003	Examiner: Unknown
Title:	Lipoxin Analogs as Novel Inhibitors of Angiogenesis	Group Art Unit: Unknown

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR § 1.97(B)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this document is being sent via First Class U.S. mail addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this 18 day of August, 2003.


(Signature)

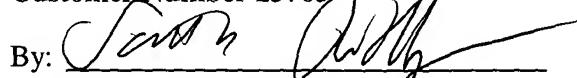
Dear Sir:

Pursuant to 37 CFR § 1.97(b), the references listed on the attached Form PTO-1449 (9 sheets, submitted in duplicate) are brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. This IDS is being filed before the mailing of a first office action on the merits. In accordance with 37 CFR § 1.97(b), no statement or fee is required.

Copies of the references cited are not enclosed, as allowed under 37 CFR § 1.98(d). Each item on the enclosed Form PTO-1449 was cited to, or cited by, the Office in Application No. 10/086,609 to which priority to an earlier effective filing date is claimed under 35 U.S.C. § 120, in the present application.

Respectfully submitted,

DORSEY & WHITNEY LLP
Customer Number 25763

By: 
Scott D. Rothenberger
Reg. No. 41,277
Intellectual Property Department
Suite 1500, 50 South Sixth Street
Minneapolis, MN 55402-1498
(612) 340-8819

Date: August 18, 2003



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

(use as many sheets as necessary)				Examiner Name	Unknown
Sheet	1	of	2	Attorney Docket Number	14021.03

Shee

1

of

2

Attorney Docket Number

14021.03

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code:	Number - Kind Code (if known)				YES	NO
		WO	95/01179	1/12/1995	Brigham & Women's Hospital		<input type="checkbox"/>	<input type="checkbox"/>
		WO	98/11049	3/19/1998	Brigham & Women's Hospital		<input type="checkbox"/>	<input type="checkbox"/>
		WO	00/54767	9/21/2000	Brigham & Women's Hospital		<input type="checkbox"/>	<input type="checkbox"/>
		WO	00/55109	9/21/2000	Brigham & Women's Hospital		<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Application Number 10/615,361

Filing Date: July 8, 2003

Art Unit **Unknown**

Examiner Name **Unknown**

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449A/PTO				Application Number	10/615,361
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Filing Date	July 8, 2003
				First Named Inventor	Charles N. Serhan
				Art Unit	Unknown
				Examiner Name	Unknown
Sheet	1	of	9	Attorney Docket Number	14021.03

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 4,560,514	12/24/1985	Samuelsson et al.	
		US- 4,576,758	3/18/1986	Morris	
		US- 4,780,281	10/25/1988	Marnett et. al.	
		US- 5,049,681	9/17/1991	Sato	
		US- 5,079,261	1/7/1992	Serhan et al.	
		US- 5,322,699	6/21/1994	Wright et al.	
		US- 5,441,951	8/15/1995	Serhan	
		US- 5,648,512	7/15/1997	Serhan	
		US- 5,650,435	7/22/1997	Madara et al.	
		US- 5,750,354	5/12/1998	Simchowitz et al.	
		US- 6,048,897	4/11/2000	Serhan	
		US- 6,100,296	8/8/2000	Madara et al.	
		US- 6,177,468	1/23/2001	Madara et al.	
		US- 6,316,648	11/13/2001	Serhan	

FOREIGN PATENT DOCUMENTS

*Examiner Initials	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code:	Number - Kind Code (if known)				YES	NO
		WO	94/29262	12/22/1994	Brigham and Women's Hospital		<input type="checkbox"/>	<input type="checkbox"/>
		JP	62-198677	9/2/1987			<input type="checkbox"/>	<input type="checkbox"/>
		JP	63-88153	4/19/1988			<input type="checkbox"/>	<input type="checkbox"/>
		JP	1-228994	9/12/1989			<input type="checkbox"/>	<input type="checkbox"/>
		JP	3-227922	10/9/1991			<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE _____ DATE CONSIDERED _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449A/PTO

 INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT

(use as many sheets as necessary)

She t	2	of	9	Application Number	10/086,609
				Filing Date	March 1, 2002
				First Name of Inventor	Charles N. S. Serhan
				Art Unit	1614
				Examiner Name	James Reamer

Attorney Docket Number 14021.01

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

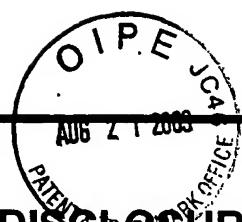
*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
		Serhan, C. et al., "Design of Lipoxin A4 Stable Analogs that Block Transmigration and Adhesion of Human Neutrophils", <i>BIOCHEMISTRY</i> , Vol. 34 No. 44, 1995, pgs. 14609-14615.	<input type="checkbox"/>	<input type="checkbox"/>
		Maddox, J.F. et al., "Lipoxin A4 Atable Analogs are Potent Mimetics that Stimulate Human Monocytes and THP-1 Cells via a G-protein-linked Lipoxin A4 Receptor", <i>The Journal of Biological Chemistry</i> , Vol. 272 No. 11, 1997, pgs. 6972-6978.	<input type="checkbox"/>	<input type="checkbox"/>
		European Search Report	<input type="checkbox"/>	<input type="checkbox"/>
		Dahlen, S-E. et al., "Lipoxins and Other Lipoxygenase Products with Relevance to Inflammatory Reactions in the Lung", <i>Annals of the New York Academy of Sciences</i> , Advances in the Understanding and Treatment of Asthma (no date available), pp. 262-273.	<input type="checkbox"/>	<input type="checkbox"/>
		Corey, E.J. et al., "On the Synthesis and Structure of Lipoxin B", <i>Tetrahedron Letters</i> , Vol. 26, No. 16, 1985, pp. 1919-1922	<input type="checkbox"/>	<input type="checkbox"/>
		Samuelsson, B., "An Elucidation of Arachidonic Acid Cascade Discovery of Prostaglandins, Thromboxane and Leukotrienes", <i>Drugs</i> , Vol. 33, Supp. 1, 1987, pp. 209.	<input type="checkbox"/>	<input type="checkbox"/>
		Nash, S. et al., "Effects of Polymorphonuclear Leukocyte Transmigration on the Barrier Function of Cultured Intestinal Epithelial Monolayers", <i>J. Clin. Invest.</i> , Vol. 80, 1987, pp. 1104-1113.	<input type="checkbox"/>	<input type="checkbox"/>
		Popov, G. K., et al., "Effect of Lipoxin B on Colony-Forming Ability of Human Peripheral Blood Mononuclears in a Diffusion Chamber", <i>Chelyabinsk Medical Institute</i> , Department of Pathophysiology and Section of Human Cardiovascular Pathology. Translated from <i>Byulleten' Eksperimental' noi Biologii i Meditsiny</i> , Vol. 107, No. 1, 1989, pp. 80-83.	<input type="checkbox"/>	<input type="checkbox"/>
		Nicolaou, K.C., et al., "Identification of a novel 7-cis-11-trans-lipoxin A4 generated by human neutrophils: total synthesis, spasmogenic activities and comparison with other geometric isomers of lipoxins A4 and B4", <i>Biochimica et Biophysica Acta</i> , No. 1003, 1989, pp. 44-53.	<input type="checkbox"/>	<input type="checkbox"/>
		Nicolaou, K.C. et al., "Total Synthesis of Novel Geometric Isomers of Lipoxin A4 and Lipoxin B4", <i>Reprinted from The Journal of Organic Chemistry</i> , Vol. 54, 1989, pp. 5527-5535.	<input type="checkbox"/>	<input type="checkbox"/>
		Nigam, S., et al., "Lipoxin A4 and Lipoxin B4 Stimulate the Release but Not the Oxgenation of Arachidonic Acid in Human Neutrophils: Dissociation Between Lipid Remodeling and Adhesion", <i>Journal of Cellular Physiology</i> , Vol. 143, 1990, pp. 512-523.	<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO


**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number 10/651,361

Filing Date July 8, 2003

First Name and Inventor Charles N. S. rhan

Art Unit Unknown

Examiner Name Unknown

Sheet 3 of 9

Attorney Docket Number 14021.03

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 6,329,425	12/11/2001	Madara et al.	
		US-			

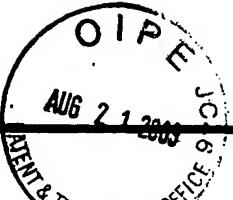
FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code:	Number - Kind Code (if known)				YES	NO
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO				 INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>	Application Number	10/651,361	
Filing Date	July 8, 2003						
First Name of Inventor	Charles N. Serhan						
Art Unit	Unknown						
Examiner Name	Unknown						
Sheet	4	of	9	Attorney Docket Number	14021.03		
OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS							
*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				TRANSLATION	
						YES	NO
		Fiore, S., et al., "The Lipoxin Biosynthetic Circuit and Their Actions with Human Neutrophils", <i>Advances in Experimental Medicine and Biology</i> , Vol. 314, 1991, pp. 109-132.				<input type="checkbox"/>	<input type="checkbox"/>
		Pettitt, T.R., et al. "Synthesis of Lipoxins and Other Lipoxygenase Products by Macrophages from the Rainbow Trout, <i>Oncorhynchus mykiss</i> ", <i>The Journal of Biological Chemistry</i> , Vol. 266, No. 14, 1991, pp. 8720-8726.				<input type="checkbox"/>	<input type="checkbox"/>
		Parkos, C.A., et al., "Neutrophil Migration across a Cultured Intestinal Epithelium", <i>J. Clin. Invest.</i> , Vol. 88, 1991, pp. 1605-1612.				<input type="checkbox"/>	<input type="checkbox"/>
		Lee, T.H., et al. "Inhibition of Leukotriene B4-Induced Neutrophil Migration by Lipoxin A4: Structure-Function Relationships", <i>Biochemical and Biophysical Research Communications</i> , Vol. 180, No. 3, 1991, pp. 1416-1421.				<input type="checkbox"/>	<input type="checkbox"/>
		Serhan, C., "Lipoxins: Eicosanoids Carrying Intra- and Intercellular Messages", <i>Journal of Bioenergetics and Biomembranes</i> , Vol. 23, No. 1, 1991, pp. 105-122.				<input type="checkbox"/>	<input type="checkbox"/>
		Brady, H.R., et al., "Leukotrienes stimulate neutrophil adhesion to mesangial cells: modulation with lipoxins", <i>American Journal Physiology</i> , Vol. 259, 1990, pp. F809-F815.				<input type="checkbox"/>	<input type="checkbox"/>
		Nicolaou, K.C., et al., "Lipoxins and Related Eicosanoids: Biosynthesis, Biological Properties, and Chemical Synthesis", <i>Angew. Chem. Int. Ed. Engl.</i> , Vol. 30, 1991, pp. 1100-1116.				<input type="checkbox"/>	<input type="checkbox"/>
		Badr, K.F., "15-Lipoxygenase products as leukotriene antagonists: Therapeutic potential in glomerulonephritis", <i>Kidney International</i> , Vol. 42, Supp. 38, 1991, pp. S101-S108.				<input type="checkbox"/>	<input type="checkbox"/>
		Fiore, S., et al., "Lipoxin Recognition Sites", <i>The Journal of Biological Chemistry</i> , Vol. 267, No. 23, 1992, pp. 16168-16176.				<input type="checkbox"/>	<input type="checkbox"/>
		Parkos, C.A., et al., "Neutrophil Migration Across a Cultured Epithelial Monolayer Elicits a Biphasic Resistance Response Representing Sequential Effects on Transcellular and Paracellular Pathways", <i>The Journal of Cell Biology</i> , Vol. 117, No. 4, 1992, pp. 757-764.				<input type="checkbox"/>	<input type="checkbox"/>
		Noelle, R.J. "A 39-kDa protein on activated helper T cells binds CD40 and transduces the signal for cognate activation of B cells", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 89, 6991 pp. 6550-6554.				<input type="checkbox"/>	<input type="checkbox"/>
EXAMINER SIGNATURE			DATE CONSIDERED				
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

She t

5

of

9

Application Num b r

10/651,361

Filing Date

July 8, 2003

First Named Inv nt r

Charl s N. S rhan

Art Unit

Unkn wn

Examiner Name

Unknown

Attorney Docket Number

14021.03

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
		Madara, J.L., et al., "A Simple Approach to Measurement of Electrical Parameters of Cultured Epithelia Monolayers: Use in Assessing Neutrophil-Epithelial Interactions", <i>J. Tiss. Cult. Meth.</i> , Vol. 14, 1992, pp. 209-216.	<input type="checkbox"/>	<input type="checkbox"/>
		Kathoh, T., et al., "Renal hemodynamic actions of lipoxins in rats: a comparative physiological study", <i>American Journal Physiology</i> , Vol. 263, 1992, pp. F436-F442.	<input type="checkbox"/>	<input type="checkbox"/>
		Folkman, J., et al., "Angiogenesis", <i>J. Biol. Chem.</i> , 267, 1992, pp. 10931-10934.	<input type="checkbox"/>	<input type="checkbox"/>
		Lederman, S. et al., "Identification of a Novel Surface Protein on Activated CD4+ T Cells That Induces Contact-dependent B Cell Differentiation (Help)", <i>J. Exp. Med.</i> , Vol. 175, 1992, pp. 1091-1101.	<input type="checkbox"/>	<input type="checkbox"/>
		Hla, T.A., et al. "Cyclooxygenase Gene Expression in Inflammation and Angiogenesis". <i>Annals N.Y. Acad. Sci.</i> , Vol. 696, 1993, pp. 197-204.	<input type="checkbox"/>	<input type="checkbox"/>
		Madara, J.L., et al. "5'-Adenosine Monophosphate is the Neutrophil-derived Paracrine Factor that Elicits Chloride Secretion from T84 Intestinal Epithelial Cell Monolayers", <i>J. Clin. Invest.</i> , Vol. 91, 1993, pp. 2320-2325.	<input type="checkbox"/>	<input type="checkbox"/>
		Fiore, S. et al., "Induction of Functional Lipoxin A4 Receptors in HL-60 Cells", <i>Blood</i> , Vol. 9, No. 12, 1993, pp. 3395-3403.	<input type="checkbox"/>	<input type="checkbox"/>
		Mizukami, Y. et al., "ω-Hydroxylation of lipoxin B4 by human neutrophil microsomes: identification of ω-hydroxy metabolite of lipoxin B4 and catalysis by leukotriene B4 ω-hydroxylase (cytochrome P-450LTBω)", <i>Biochimica et Biophysica Acta</i> , No. 1168, 1993, pp. 87-93.	<input type="checkbox"/>	<input type="checkbox"/>
		Claria, J. et al., "Aspirin triggers previously undescribed bioactive eicosanoids by Human endothelial cell-leukocyte interactions", <i>Proc. Natl. Acad. Sci. USA</i> 92, No. 21, 1995, pp. 9475-9479.	<input type="checkbox"/>	<input type="checkbox"/>
		Marshall, N.J. et al., "A Critical Assessment of the Use of Microculture Tetrazolium Assys to Measure Cell Growth and Function", <i>Growth Regulation</i> , 5, 1995, pp. 69-84.	<input type="checkbox"/>	<input type="checkbox"/>
		Folkman, J., "Angiogenesis in cancer, vascular, rheumatoid and other disease", <i>Nature Medicine</i> , Vol. 1. No. 1, 1995, pp. 27-31.	<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

Sheet	6	of	9	Attorney Docket Number	14021.03
-------	---	----	---	------------------------	----------

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
		Marcus, A.J., "Aspirin as Prophylaxis Against Colorectal Cancer", <i>New Eng. J. Med.</i> , Vol. 333, No. 10, 1995, pp. 636-638.	<input type="checkbox"/>	<input type="checkbox"/>
		Colville-Nash, P.R., et al, "The Pharmacological Modulation of Angiogenesis in Chronic Granulomatous Inflammation", <i>J. Pharmacol.</i> , Vol. 274, No. 3, 1995, pp. 1463-1472.	<input type="checkbox"/>	<input type="checkbox"/>
		Maddox, J.F., et al., "Lipoxin A4 and B4 Are Potent Stimuli for Human Monocyte Migration and Adhesion: Selective Inactivation by Dehydrogenation and Reduction", <i>J. Exp. Med.</i> , Vol. 183, 1996, pp. 137-146.	<input type="checkbox"/>	<input type="checkbox"/>
		Stoltz, R.A. et al., "The role of NF- κ B in the angiogenic response to coronary microvessel endothelial cells", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 93, 1996, pp. 2832-2837.	<input type="checkbox"/>	<input type="checkbox"/>
		Claria, J. et al., "Aspirin-Triggered Lipoxins (15-epi-LX) Are Generated by the Human Lung Adenocarcinoma Cell Line (A549)-Neutrophil Interactions and Are Potent Inhibitors of Cell Proliferation", <i>Molecular Medicine</i> , Vol. 2, No. 5, 1996, pp. 583-596.	<input type="checkbox"/>	<input type="checkbox"/>
		Papaianni, A. et al., "Lipoxin A4 and B4 Inhibit Leukotriene-Stimulated Interactions of Human Neutrophils and Endothelial Cells", <i>J. Immunology</i> , Vol. 156, 1996, pp. 2264-2272.	<input type="checkbox"/>	<input type="checkbox"/>
		Romano, M. et al, "Activation of Human Monocytes and the Acute Monocytic Leukemia Cell Line (THP-1) by Lipoxins Involves Unique Signaling Pathways for Lipoxin A4 Versus Lipoxin B4", <i>J. Immunology</i> , Vol. 157, 1996, pp. 2149-2154.	<input type="checkbox"/>	<input type="checkbox"/>
		Serhan, C., "Lipoxins and Novel Aspirin-Triggered 15-epi-Lipoxins (ATL): A Jungle of Cell-Cell Interactions or a Therapeutic Opportunity?", <i>Prostaglandins</i> , Vol. 53, No. 2, 1997, pp. 107-137.	<input type="checkbox"/>	<input type="checkbox"/>
		Takano, T. et al., "Aspirin-Triggered 15-epi-Lipoxin A4 (LXA4) and LXA4 Stable Analogs are Potent Inhibitors of Acute Inflammation: Evidence for Anti-inflammatory Receptors", <i>J. Exp. Med.</i> , Vol. 185, No. 9, 1997, pp. 1693-1704.	<input type="checkbox"/>	<input type="checkbox"/>
		Hoper, M.M., et al., "Prostaglandins Induce Vascular Endothelial Growth Factor in a Human Monocytic Cell Line and Rate Lungs via cAMP", <i>Am. J. Respir. Cell. Mol. Biol.</i> , Vol. 17, 1997, pp. 748-756.	<input type="checkbox"/>	<input type="checkbox"/>
		Gronert, K. et al, "Characterization of Human Neutrophil and Endothelial Cell Ligand-Operated Extracellular Acidification Rate by Microphysiometry: Impact of Reoxygenation", <i>J. Pharmacol. Exp. Therap.</i> , Vol. 285, No. 1, 1998, pp. 252-260.	<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO


**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number **10/615,361**Filing Date **July 8, 2003**First Name and Inventor **Charles N. S. rhan**Art Unit **Unknown**Examiner Name **Unknown**Sheet **7** of **9**Attorney Docket Number **14021.03**
OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
		Takano, T. et al., "Neutrophil-mediated Changes in Vascular Permeability Are Inhibited by Topical Application of Aspirin-triggered 15-epi-lipoxin A4 and Novel Lipoxin B4 Stable Analogues", <i>J. Clin. Invest.</i> , Vol. 101, No. 4, 1998, pp. 819-826.	<input type="checkbox"/>	<input type="checkbox"/>
		Maddox, J. F. et al., "Lipoxin B4 regulates human monocyte/neutrophil adherence and motility: design of stable lipoxin B4 analogs with increased biologic activity", <i>The FASEB Journal</i> , Vol. 12, 1998, pp. 487-494.	<input type="checkbox"/>	<input type="checkbox"/>
		Gewirtz, A.T. et al., "Pathogen-induced Chemokine Secretion from Model Intestinal Epithelium is Inhibited by Lipoxin A4 Analogs", <i>J. Clin. Invest.</i> , Vol. 101, No. 9, 1998, pp. 1860-1869.	<input type="checkbox"/>	<input type="checkbox"/>
		Chiang, N. et al., "Aspirin-Triggered 15-epi-Lipoxin A4 (ATL) Generation by Human leukocytes and Murine Peritonitis Exudates: Development of a Specific 15-epi-LXA4, ELISA1", <i>J. Pharmacol. Exp. Therap.</i> , Vol. 287, No. 2, 1998, pp. 779-790.	<input type="checkbox"/>	<input type="checkbox"/>
		Serhan, C., "Lipoxins and Aspirin-Triggered 15-epi-Lipoxins", <i>Inflammation: Basic Principles and Clinical Correlates</i> , 3 rd ed. 1999, pp. 373-385.	<input type="checkbox"/>	<input type="checkbox"/>
		Arenberg, D.A. et al, "Angiogenesis", <i>Inflammation: Basic Principles and Clinical Correlates</i> , 3 rd ed. 1999, pp. 851-864.	<input type="checkbox"/>	<input type="checkbox"/>
		Gupta, K. et al., "VEGF Prevents Apoptosis of Human Microvascular Endothelial Cells via Opposing Effects on MAPK/ERK and SAPK/JNK Signaling", <i>Experimental Cell Research</i> , Vol. 247, No. 2, 1999, pp. 495-504.	<input type="checkbox"/>	<input type="checkbox"/>
		Kelavkar, U.P. et al., "Effects of mutant p53 expression on human 15-lipoxygenase-promoter activity and murine 12/15-lipoxygenase gene expression: Evidence that 15-lipoxygenase is a mutator gene", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 96, 1999, pp. 4378-4383.	<input type="checkbox"/>	<input type="checkbox"/>
		Eliceiri, B.P. et al., "The role of av integrins during angiogenesis: insights into potential mechanisms of action and clinical development", <i>J. Clin. Invest.</i> , Vol. 103, No. 9, 1999, pp. 1227-1230.	<input type="checkbox"/>	<input type="checkbox"/>
		Hachicha, M. et al., "Lipoxin (LX) A4 and Aspirin-Triggered 15-epi-LXA4 Inhibit Tumor Necrosis Factor 1 α -initiated Neutrophil Responses and Trafficking: Regulators of Cytokine-Chemokine Axis", <i>J. Exp. Med.</i> , Vol. 189, No. 12, 1999, pp. 1923-1929.	<input type="checkbox"/>	<input type="checkbox"/>
		Clish, C.B. et al., "Local and systemic delivery of a stable aspirin-triggered lipoxin prevents neutrophil recruitment in vivo", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 96, 1999, pp. 8247-8252.	<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 8 of 9

Application Number 10/615,361

Filing Date July 8, 2003

First Name and Inventor Charles N. Serhan

Art Unit Unknown

Examiner Name Unknown

Attorney Docket Number 14021.03

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
		Munger, K.A. et al., "Transfection of rat kidney with human 15-lipoxygenase suppresses inflammation and preserves function in experimental glomerulonephritis", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 96, No. 23, 1999, pp. 13375-13380.	<input type="checkbox"/>	<input type="checkbox"/>
		Masferrer, J.L., et al, "COX-2 Inhibitors A New Class of Antiangiogenic Agents", <i>Annals. N.Y. Acad. Sci.</i> , Vol. 889, 1999, pp. 84-86.	<input type="checkbox"/>	<input type="checkbox"/>
		Jones, M.K. et al., "Inhibition of angiogenesis by nonsteroidal anti-inflammatory drugs: Insight into mechanisms and implications for cancer growth and ulcer healing", <i>Nature Medicine</i> , Vol. 5, No. 12, 1999, pp. 1418-1423.	<input type="checkbox"/>	<input type="checkbox"/>
		Serhan, C.N. et al., "Formation of Endogenous "Antiinflammatory" Lipid Mediators by Transcellular Biosynthesis", <i>Am. J. Respir. Crit. Care Med.</i> , Vol. 161, 2000, pp. S95-S101.	<input type="checkbox"/>	<input type="checkbox"/>
		Sodin-Semrl, S. et al., "Lipoxin A4 Inhibits IL-1B-Induced IL-6, IL-8, and Matrix Metalloproteinase-3 Production in Human Synovial Fibroblasts and Enhances Synthesis of Tissue Inhibitors of metalloproteinases", <i>J. Immunolog.</i> , Vol. 164, No. 5, 2000, pp. 2660-2666.	<input type="checkbox"/>	<input type="checkbox"/>
		Sanak, M. et al., "Aspirin-tolerant asthmatics generate more lipoxins than aspirin-intolerant asthmatics", <i>Eur. Respir. J.</i> , Vol. 16, 2000, pp. 44-49.	<input type="checkbox"/>	<input type="checkbox"/>
		Nie, D. et al., "Eicosanoid regulation of angiogenesis: role of endothelial arachidonate 12-lipoxygenase", <i>Blood</i> , Vol. 95, No. 7, 2000, pp. 2304-2311.	<input type="checkbox"/>	<input type="checkbox"/>
		McMahon, B. et al., "Lipoxin A4 Antagonizes the Mitogenic Effects of Leukotriene D4 in Human Renal Mesangial Cells", <i>J. Biolog. Chem.</i> , Vol. 275, No. 36, 2000, pp. 27566-27575.	<input type="checkbox"/>	<input type="checkbox"/>
		Vane, J., "Aspirin and other anti-inflammatory drugs", <i>Thorax</i> , Vol. 55, Supp. 2, 2000, pp. S3-S9.	<input type="checkbox"/>	<input type="checkbox"/>
		Chiang, N. et al., "Lipoxin A4 Receptor", <i>Cytokine Reference</i> , Academic Press, London, 2001, pp. 2199-2233.	<input type="checkbox"/>	<input type="checkbox"/>
		Gronert, K. et al., "Short Communication Selectivity of Recombinant Human Leukotriene D4, Leukotriene B4, and Lipoxin A4 Receptors with Aspirin-Triggered 15-epi-LXA4 and Regulation of Vascular and Inflammatory Responses", <i>Am. J. Pathol.</i> , Vol. 159, No. 1, 2001, pp. 3-9	<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

O
AUG 21 2003
USPTO
PATENT & TRADEMARK OFFICE
USCA 6

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 9 of 9

Application Number 10/615,361

Filing Date July 8, 2003

First Named Inventor Charles N. S. Serhan

Art Unit Unknown

Examiner Name Unknown

Attorney Docket Number 14021.03

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
		Stacker, S.A. et al., "VEGF-D promotes the metastatic spread of tumor cells via the lymphatics", <i>Nature Medicine</i> , Vol. 7, No. 2, 2001, pp. 186-191.	<input type="checkbox"/>	<input type="checkbox"/>
		Skobe, M. et al., "Induction of tumor lymphangiogenesis by VEGF-C promotes breast cancer metastasis", <i>Nature Medicine</i> , Vol. 7, No. 2, 2001, pp. 192 - 198.	<input type="checkbox"/>	<input type="checkbox"/>
		Makinen, T. et al., "Inhibition of lymphangiogenesis with resulting lymphedema in transgenic mice expressing soluble VEGF receptor-3", <i>Nature Medicine</i> , Vol. 7, No. 2, 2001, pp. 199-205.	<input type="checkbox"/>	<input type="checkbox"/>
		Serhan, C.N. et al., "Unorothox routes to prostanoid formation: new twists in cyclooxygenase-initiated pathways", <i>J. Clin. Invest.</i> , Vol. 107, No. 12, 2001, pp. 1481-1489.	<input type="checkbox"/>	<input type="checkbox"/>
		Serhan, C. et al., "Design of Lipoxin A4 Stable Analogs that Block Transmigration and Adhesion of Human Neutrophils", <i>BIOCHEMISTRY</i> , Vol. 34 No. 44, 1995, pgs. 14609-14615.	<input type="checkbox"/>	<input type="checkbox"/>
		Maddox, J.F. et al., "Lipoxin A4 Atable Analogs are Potent Mimetics that Stimulate Human Monocytes and THP-1 Cells via a G-protein-linked Lipoxin A4 Receptor", <i>The Journal of Biological Chemistry</i> , Vol. 272 No. 11, 1997, pgs. 6972-6978.	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.